

## CLAIMS

What is claimed is:

1                    1.        A method of modifying the axis of rotation of the Earth comprising  
the steps of:

determining the mass of the Earth;

determining the center of mass of the Earth;

characterizing the axis of rotation of the planet;

6                    selecting a desired character of rotation;

calculating a moment of stability required to cause the desired  
character of rotation; and

determining a position and a mass of a compensating substance  
sufficient to effect the moment of stability.

1                    2.        The method of claim 1 in which the position of the compensating  
2                    substance is an underground cavity.

1                    3.        The method of claim 1 in which the position of the compensating  
2                    substance is an underground cavity.

1                    4.        The method of claim 1 in which the substance is solid.

1                    5.        The method of claim 1 in which the substance is a liquid.

1                    6.        The method of claim 2 in which the substance is a liquid.

1                    7.        The method of claim 3 in which the substance is a liquid.

2                    8.        The method of claim 5 in which the liquid is water.  
3

1

9. The method of claim 6 in which the liquid is water.

2

10. The method of claim 7 in which the liquid is water.

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